EMS/Trauma Registry 2013 Submersion Report

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2013 Submersion Report

- This summary report only includes data on records that were reported to the registry through a passive surveillance system
- The 2013 submersion records are as of 8/7/2014
- This report is provisional and may change as more reports are received. A final report will be produced at the end of 2014

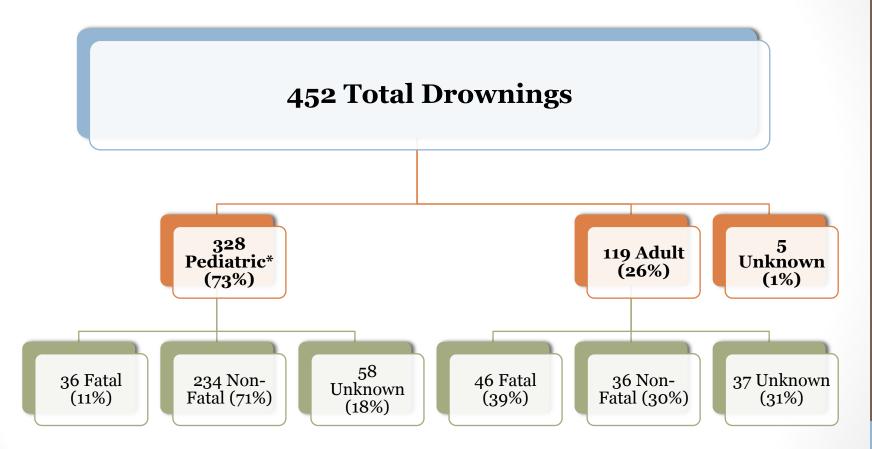


Inclusion Criteria: Submersion Registry

- As per Texas Administrative Code, Title 25, Chapter 103, **ALL** submersion injuries must be reported by physicians, hospitals, medical examiners, and justices of the peace (§103.4).
- A submersion injury (or drowning) is defined as the process of experiencing respiratory impairment from submersion/ immersion in liquid.
 - This can be fatal **OR** non-fatal



Drowning in Texas, 2013



^{*}In this report, pediatric is defined as less than 18 years old



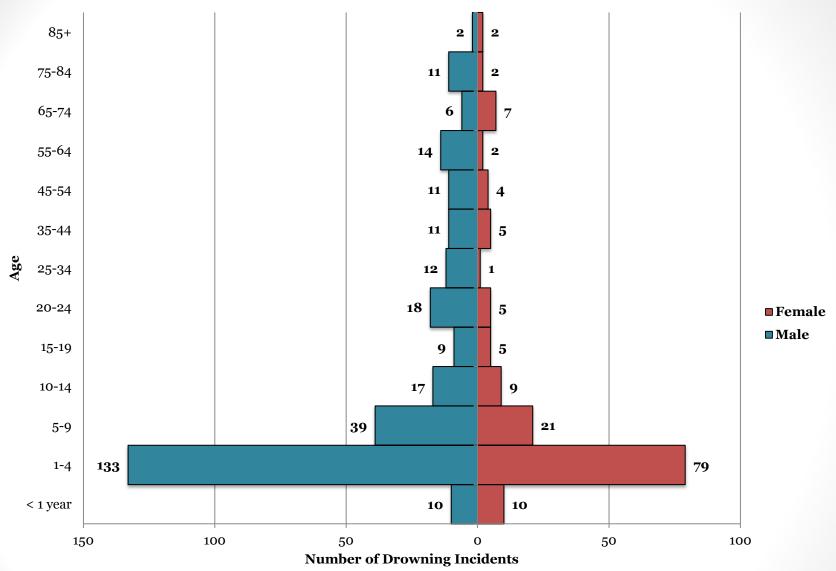
Overview:



- 65.5% Male
- 58.6% White, 26.3% Hispanic
- 18.1% fatal
- 51.8% less than 5 years old
- 38.1% occurred in a pool, hot tub, or spa
- 46.0% in June and July







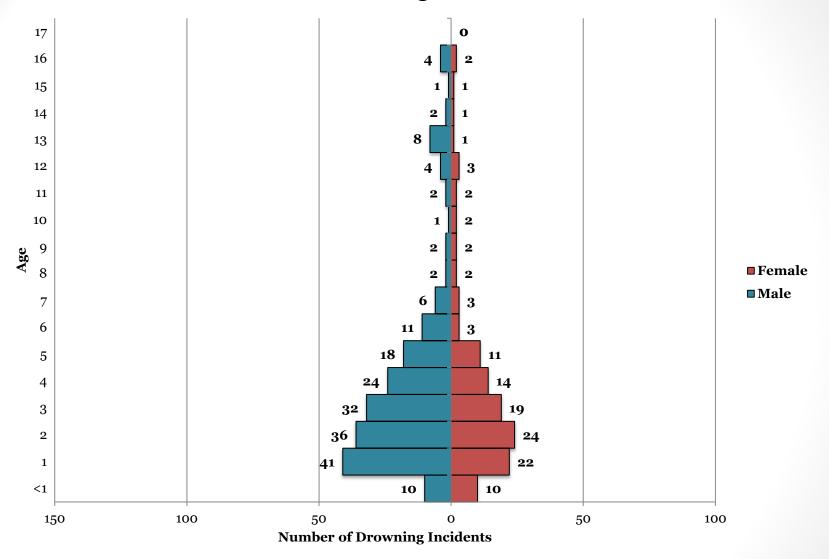
Drownings by Age and Sex, Texas 2013

*In 2013 there were 5 drowning patients with unknown age



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Pediatric Drownings (<18 years old) by Age and Sex, Texas 2013 (n=328)



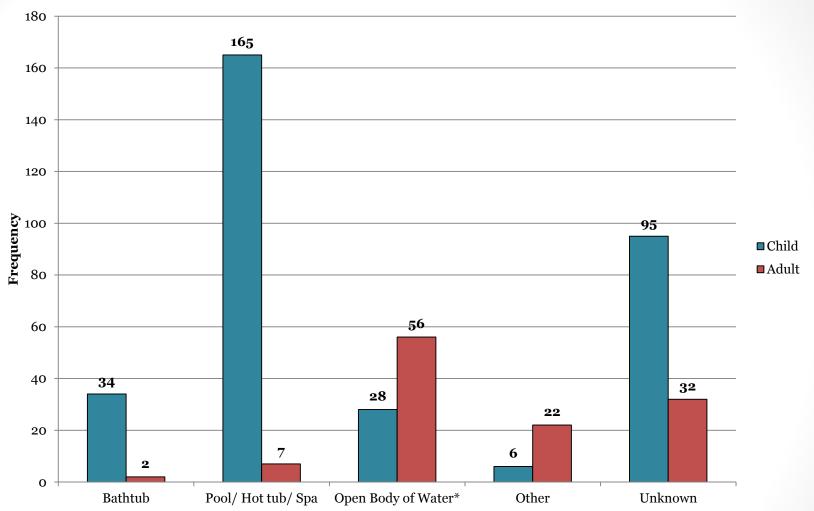
Out of these:

- 62.8% males
- 80.2% children 5 and younger



Drownings by Scene and Age, Texas 2013

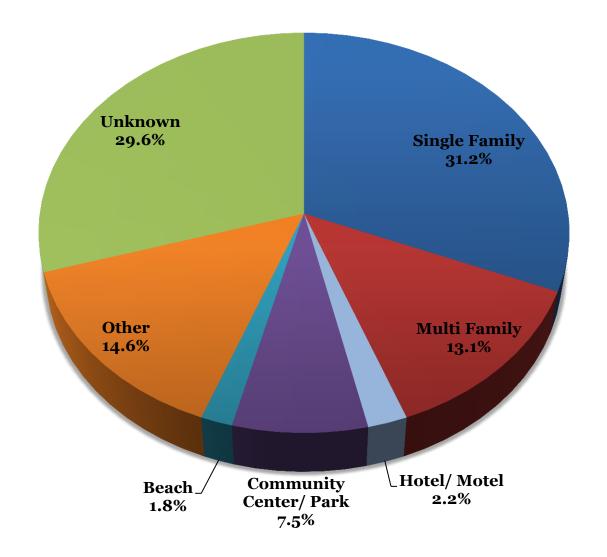
(n=452)



- 50.3% of pediatric drownings occurred in a pool, hot tub, or spa
- 47.1% of adult drownings occurred in an open body of water



Drownings by Location, Texas 2013 (n=452)





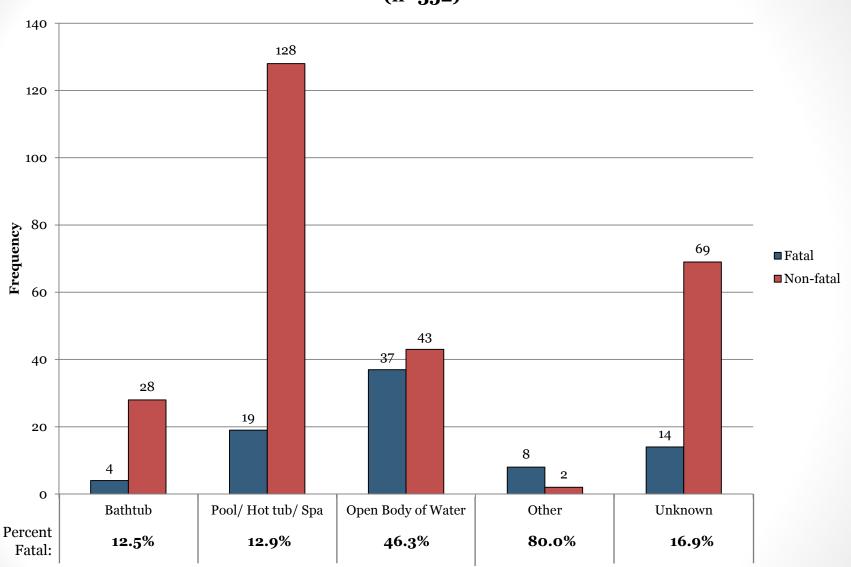
Fatal Drownings

- Out of those with a known outcome:
 - 13.3% of pediatric drownings were fatal
 - 56.1% of adult drownings were fatal

• 45.1% of fatal drownings took place in an open body of water

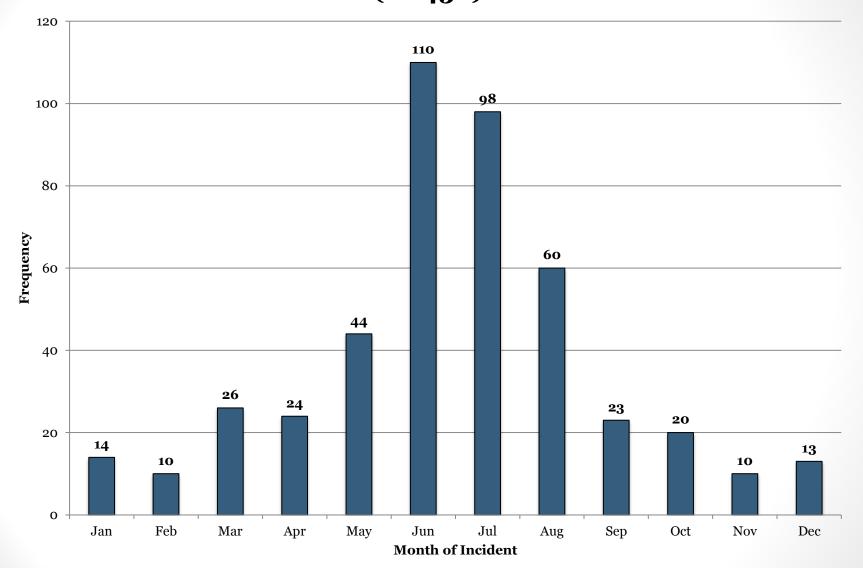


Drownings with Known Outcome by Scene, Texas 2013 (n=352)





Drownings by Month of Incident, Texas 2013 (n=452)





Alcohol Use in Drowning Incidents Among Adults (18 and older), Texas 2013

	Count	%
No, Lab Confirmed	12	10.1%
No, Not Suspected	27	22.7%
Suspected	9	7.6%
Yes, Lab Confirmed	19	16.0%
Unknown	52	43.7%
Total	119	100%

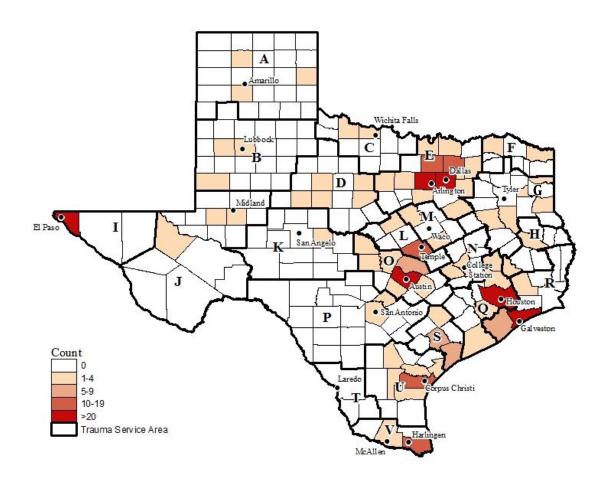


Drownings by TSA of Incident, Texas 2013

TSA	Frequency	Percent
A	3	0.7%
В	3	0.7%
C	2	0.4%
D	10	2.2%
E	119	26.3%
${f F}$	2	0.4%
G	6	1.3%
H	2	0.4%
I	21	4.6%
J	5	1.1%
K	1	0.2%
L	14	3.1%
M	6	1.3%
N	4	0.9%
O	40	8.8%
P	2	0.4%
Q	36	8.0%
R	29	6.4%
S	11	2.4%
U	27	6.0%
V	17	3.8%
Unknown/ Out of State	92	20.4%
Total	452	100%



Number of Drownings by County of Incidence, Texas 2013



Sources: U.S. Census, Texas Department of State Health Services, Injury Epidem iology & Surveillance Branch, jhancock 8/2014

NOTE: There were a total of 452 submersions reported to the registry in 2013. For 91 of these incidents, the county of occurrence is not known. These counts include both fatal and non-fatal drownings, as well as submersions in both enclosed bodies of water (pools, hot tubs, jacuzzis, spas, bathtubs, toilets, buckets, farm cattle tanks) and open bodies of water (lakes, ponds, rivers, creeks, beaches, bays, the ocean).



Supervision During Drowning Incidents

If the child was less than 15 years old, was he/she supervised?

- Of the 320 children <15 years old, 72.8% (233) were being supervised during the drowning incident
- Out of these 320:
 - 48.3% (110) of the supervisors were aware the child was involved in a water activity
 - 19.9% (45) witnessed the drowning event



For questions, comments, or to provide feedback on this and other reports, please contact us.

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